

Name: \_\_\_\_\_

**pb1106: Factoring when  $a = \text{prime}$  (v2)**

1. Factor the expression  $11x^2 + 82x - 48$

$$(11x - 6)(x + 8)$$

2. Factor the expression  $5x^2 + 17x + 6$

$$(5x + 2)(x + 3)$$

3. Factor the expression  $5x^2 - 3x - 8$

$$(5x - 8)(x + 1)$$

4. Factor the expression  $11x^2 + 57x - 54$

$$(11x - 9)(x + 6)$$

5. Factor the expression  $7x^2 - 26x - 8$

$$(7x + 2)(x - 4)$$

6. Factor the expression  $7x^2 + 54x + 35$

$$(7x + 5)(x + 7)$$

7. Factor the expression  $11x^2 - 57x - 54$

$$(11x + 9)(x - 6)$$

8. Factor the expression  $11x^2 - 19x + 8$

$$(11x - 8)(x - 1)$$

9. Factor the expression  $7x^2 - 58x - 45$

$$(7x + 5)(x - 9)$$

10. Factor the expression  $7x^2 + 41x - 6$

$$(7x - 1)(x + 6)$$